

Abstract

The invention concerns a process for producing a high-resolution surface pattern (10) on a substrate and a multi-layer body produced by means of that process and an apparatus for carrying out the process. A printing substance is applied in pattern form to the substrate by means of a printing process (17). For fine structuring of the surface pattern (10), prior to application of the printing substance, a microscopic surface structure (12) with a plurality of grooves is replicated into the surface of the substrate. The fine structuring of the surface pattern is determined by the respective locally applied application amount of printing substance (13) and the respective local relief parameters of the microscopic surface structure (12), in particular orientation direction and profile shape.

(Figure 1)